

09/160805

ABSTRACT OF THE DISCLOSURE

This invention can make a valve compact in function and improve using efficiency of a compressed gas and make  
5 an air gun compact. To achieve this object, an air gun is constructed by a hit pin arranged in a cylinder portion, a valve body arranged within a hollow portion of the cylinder portion and having a bullet supplying nozzle chamber and a valve pin chamber, a gas inlet port opened  
10 to a sleeve-shaped circumferential face of the valve pin chamber, a bullet supplying nozzle arranged within the bullet supplying nozzle chamber, and a valve pin arranged within the valve pin chamber. The hit pin is pressed on a muzzle side and the valve pin is slid to the muzzle side  
15 so that an airtight state between a valve pin flange portion and a side face of the valve pin chamber on its gun rear end side is released. A compressed gas is supplied to a nozzle chamber side opening and a valve pin chamber side opening from a clearance between the valve  
20 pin flange portion and the gun rear end side face of the valve pin chamber. The bullet supplying nozzle is slid to the muzzle side by a pressure of the compressed gas supplied from the nozzle chamber side opening. The compressed gas is supplied to an opening on the muzzle  
25 side from a clearance formed between an opening on a flange portion side and a nozzle inserting portion so that a bullet is shot. The compressed gas supplied from